Index of Claims

| Application/Control No. | Applicant(s)/Patent under Reexamination |
|-------------------------|---|
| 10/613,563              | LIAO ET AL.                             |
| Examiner                | Art Unit                                |

Rejected Allowed

(Through numeral) Cancelled Restricted

Non-Elected N ı Interference

C. SAYALA

Appeal 0 Objected

1761

|       |          |            |            |              |          | 5-4        |  |              |          | _          | :::::1 | ^:       |          | _        |                      |                    | _   |                    |              |                 | _        | :::::1 |              | 1          |          |          |  | <u> </u>      | _              |          |                 |           |          |
|-------|----------|------------|------------|--------------|----------|------------|--|--------------|----------|------------|--------|----------|----------|----------|----------------------|--------------------|---|--------------------|--------------|-----------------|----------|--------|--------------|------------|----------|----------|--|---------------|----------------|----------|-----------------|-----------|----------|
| Cla   |          | _          | _          | _            | _        | Dati<br>I  | 8  | _            |          |            |        | Cli      | eim_     | ├        | -                    | т                  | Da  | ILE_               | Τ-           | 1               |          |        | Cli          | mis        | ۰,       |          |  | <del></del> 5 | Date           | <u></u>  |                 | _         | _        |
| Final | Original | 8/30/08    |            |              |          |            |  |              |          | ,          |        | Final    | Original |          |                      |                    |   | ľ                  |              |                 |          |        | Final        | Original   |          |          |  |               |                |          |                 |           |          |
|       | (T)      | 7          | Г          | -            | _        |            |  | П            | П        | _          |        |          | 51       | П        | ┪                    | 十                  | 十   | $\top$             | $\top$       | П               | ┪        |        |              | 101        |          | ┪        | $\dashv$   | П             | П              | П        | $\neg$          | ┪         | Г        |
|       | 2        | ŀ          |            |              | Г        | T          | T  |              | П        |            |        |          | 52       | П        | ┪                    | 十                  | 7   | 1                  | T            | П               |          |        |              | 102        |          | $\neg$   |  | П             | П              | П        | $\neg$          | 7         | Γ        |
|       | 3        | T          |            |              |          |            |  |              |          |            |        |          | 53       |          |                      | $\Box$             | Τ.  |                    |              |                 |          |        |              | 103        |          |          |  |               |                |          |                 | $\Box$    |          |
|       | 4        | T          |            |              |          |            |  |              |          |            |        |          | 54       |          |                      |                    | T   | T                  |              |                 |          |        |              | 104        |          |          |  |               |                |          |                 |           |          |
|       | 8        | Τ          |            |              |          |            |  |              |          |            |        |          | 55       |          |                      | $\Box$             | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$   |                    |              |                 |          |        |              | 105        |          |          |  |               |                |          | $\Box$          |           |          |
|       | 8        | Τ          |            |              |          |            |  |              |          |            |        |          | 56       |          | $\Box$               | $\perp$            | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\square}}}$  |                    |              |                 |          |        |              | 106        |          |          |  |               |                |          | $\Box$          |           |          |
|       | 7        |            |            |              |          | $\Box$     |  |              |          |            |        |          | 57       |          |                      | $oldsymbol{\perp}$ | $\perp$   |                    |              | Ш               |          |        |              | 107        |          |          |  |               |                |          | $\Box$          | $\Box$    | 匚        |
|       | 8        |            |            |              |          | L          |  | Ш            | Ш        |            |        |          | 58       |          |                      |                    | 丄   | ┸                  | _            | Ш               |          |        | •            | 108        |          |          | Ш  | Ш             | Ш              |          |                 |           | L        |
|       | 9        | L          | L          | _            |          | L          | L  | Щ            | Ш        |            |        |          | 59       | Ш        | _                    | 1                  | 4   | 4                  | <del> </del> | Ш               |          |        |              | 109        | ·        | _        |  | Ш             | Ш              | Ш        | _               | _         | L        |
|       | (10)     | Щ          |            | Щ            | _        | ┖          | ᆫ  |              | Ш        |            |        |          | 60       | L.,      | _                    | 4                  | _   | 4                  | ļ.,          |                 |          |        |              | 110        |          | _        | Ш  | Ш             | Ш              | Ш        | ┙               | _         | L        |
|       | 11       | 4          | L          | ᆫ            | L        | <b> </b> _ | ╙  | L            | Ц        | _          |        |          | 61       | Ш        | 4                    | 4                  | 4   | 4                  | ↓_           | $\sqcup$        |          |        |              | 111        | Ш        | _        |  | Ш             | Ш              | Ш        | $\dashv$        | _         | L        |
|       | 12       | 4          | <b>—</b>   | _            | ├        |            | ⊢  | H            | Н        | Ш          |        |          | 62       | Ш        | -                    | 4                  | 4   | +                  | +-           | $\vdash$        | Щ        |        |              | 112        | Ш        | $\dashv$ |  | Н             | Ш              | Ш        | _               | _         | L        |
|       | 13       | 1/         | ┖          | <u> </u>     | <u> </u> | ┞          | L  | L            | -        | _          |        |          | 63       | Н        | 4                    | 4                  | +   | +                  | ╀            | Н               |          |        |              | 113        | Щ        | _        |  | Н             | Н              | Н        | $\dashv$        | -         | ⊢        |
|       | 14<br>15 | ¥          | $\vdash$   | ├-           | ┞        | ⊢          | -  | _            | ⊢        | $\vdash$   |        |          | 64<br>65 | H        |                      | +                  | +   | +                  | +            | Н               |          |        |              | 114        | Н        | Н        |  | Н             | $\vdash\vdash$ | $\vdash$ |                 | -         | H        |
|       |          | 7          | ┝          | ⊢            | <b>—</b> | ⊢          | ├-   | H            | -        | _          |        |          |          | Н        | -                    | -+                 | +   | ╫                  | ╀            | Н               | _        |        |              | 115        | Н        | Н        | $\vdash$   | $\vdash$      | Н              | Н        | $\dashv$        | $\dashv$  | -        |
|       | 16<br>17 | -          | $\vdash$   | $\vdash$     | $\vdash$ | ⊢          | <del>  -</del>                                   | $\vdash$     | Н        | $\vdash$   |        |          | 66<br>67 | Н        |                      | +                  | +   | ┿                  | ╫            | ┼┤              | $\vdash$ |        | -            | 116<br>117 | Н        | $\vdash$ | <del>                                     </del> | Н             | Н              | Н        | $\dashv$        | -         | -        |
|       | 18       | H          | $\vdash$   | ┡            | $\vdash$ | ┢          | <del>                                     </del> | $\vdash$     | ┢        | $\vdash$   |        |          | 68       | $\vdash$ | -                    | ┿                  | +   | ┿                  | ┿            | $\vdash \vdash$ | $\dashv$ |        |              | 118        | Н        | Н        | $\vdash$   | $\vdash$      | Н              | Н        | ,               |           | H        |
|       | 19       | ┝          | -          | ┝            | ┡        | ┝          | ┝  | ⊢            | ┝        | Н          |        | -        | 69       | Н        | -1                   | +                  | ┿   | +                  | ╁            | Н               | $\vdash$ |        |              | 119        | Н        | Н        |  | Н             | Н              | Н        | $\dashv$        | ┥         | ┝        |
|       | 20       | ⊢          | -          | ┝            | ┢        | ⊢          | Н  | -            | ┝        | _          |        |          | 70       | Н        | $\dashv$             | $\dashv$           | +   | +                  | +            | Н               | Н        |        |              | 120        | Н        | Н        | -  | Н             | Н              | $\vdash$ | $\vdash$        | ᅱ         | ⊢        |
|       | 21       | H          | ┢          | ⊢            | ┢        | ⊢          | Н  | -            | ┝┈       |            |        |          | 71       | Н        | -1                   | $\dashv$           | +   | ╁                  | ╫            | Н               | -        |        | _            | 121        | Н        |          | Н  | ┝╌┤           | Н              | Н        | $\vdash$        | $\dashv$  | H        |
|       | 22       | ┝          | ┢          | -            | ┢        | ⊢          | ┢  | ⊢            | ┢        | H          |        |          | 72       | H        | +                    | $\dashv$           | 十   | +                  | ┿            | Н               |          |        | _            | 122        | Н        | Н        | Н  | Н             | $\vdash$       | Н        | $\vdash \vdash$ | 一         | ۲        |
|       | 23       | H          | ┢          | ┢            | ╁        | ╁╴         | Н  | ┢            | $\vdash$ | $\vdash$   |        |          | 73       | Н        | 7                    | $\dashv$           | 十   | +                  | +            | Н               |          |        |              | 123        |          |          |  | Н             | Н              | Н        | $\vdash$        | $\dashv$  | H        |
|       | 24       | ┢          | t          | ┢            | ┢        | ┢          | ┪  | ┢            | Н        | ┢          |        | -        | 74       | $\vdash$ | 1                    | 十                  | 十   | ╅                  | ╁╌           | H               |          |        |              | 124        | Н        |          | Н  | Н             | Н              | Н        | $\vdash$        | $\dashv$  | r        |
|       | 25       | Н          | H          | ┪            | Н        | Н          | Н  | Н            | Н        | Н          |        |          | 75       | Н        | $\dashv$             | 7                  | +   | +-                 | +            | Н               |          |        |              | 125        | Н        | Н        | М  | Н             | П              | Н        | $\neg$          | $\neg$    | Н        |
|       | 26       |            | ╁          | i            | t –      | T          |  |              | 一        |            |        |          | 76       | П        | 寸                    | 十                  | 十   | 十                  | $\top$       |                 | П        |        |              | 126        | П        |          | П  | П             |                | П        |                 |           | r        |
|       | 27       |            | H          | ┢            | Г        |            |  |              | T        |            |        |          | 77       | П        | $\neg$               | 1                  | 十   | 1                  | 1            | П               |          |        |              | 127        | П        |          | П  | П             |                | П        | $\Box$          | $\neg$    | Г        |
|       | 28       | Г          | Г          | 1            | Т        | 1          | T  | 1            |          |            |        |          | 78       |          | $\neg$               | ┪                  | 十   | 1                  | Т            |                 |          |        |              | 128        | М        | П        |  | П             | П              | П        | $\Box$          | $\neg$    | Γ        |
|       | 29       |            |            | Г            | Г        | T          |  | Π.           | Т        |            |        |          | 79       |          |                      | 7                  | 丁   | 7                  |              | П               |          |        |              | 129        |          |          |  | П             | П              | П        | П               | $\neg$    | Г        |
|       | 30       | Г          | Г          | Г            | Г        | İΤ         | Т  |              |          |            |        |          | 80       | П        | $\Box$               | ┪                  | 丁   | 7                  | Т            | П               |          |        |              | 130        |          |          | П  | П             | П              | П        |                 | $\neg$    | Γ        |
|       | 31       |            |            |              |          | Г          |  |              | П        |            |        |          | 81       |          |                      | $\Box$             | $oldsymbol{\mathbb{T}}$   | Τ                  | L            |                 |          |        |              | 131        |          |          |  | П             |                |          |                 |           | Γ        |
|       | 32       |            |            |              |          |            | oxdot  |              |          |            |        |          | 82       |          |                      | J                  | I   | I                  | Π            |                 |          |        |              | 132        |          |          |  |               |                |          |                 |           | C        |
|       | 33       |            |            |              |          |            |  | 匚            | Г        |            |        |          | 83       |          |                      |                    | $oldsymbol{ol}}}}}}}}}}}}}} $ | $oldsymbol{\perp}$ | L            |                 |          |        |              | 133        |          |          |  |               |                |          |                 |           | Ĺ        |
|       | 34       |            | 匚          |              |          | $\Box$     |  |              |          | L          |        |          | 84       | Ш        |                      | $\perp$            |   |                    | ↓_           |                 |          |        |              | 134        | Ĺ        |          |  |               | Ш              | ш        |                 |           | Ĺ        |
|       | 35       |            | L          | L            | L        | L          | <u> </u>   | _            |          |            |        | <u> </u> | 85       | Ш        | $\Box$               | _                  | 4   | 4                  | 1            | Ш               | Ш        |        | Щ.           | 135        | Ш        |          |  | $oxed{oxed}$  | Ш              | ┙        | Ш               |           | L        |
|       | 36       | L          | 1          | L            | <u> </u> | ┖          | <u> </u>   | <u> </u>     | <u> </u> | Ш          |        | <u> </u> | 86       | Ш        | $\dashv$             | 4                  | 4   | 4                  | 1            | Ш               | Ш        |        | <u> </u>     | 136        |          | Щ        | $ldsymbol{\sqcup}$                               | Ш             | Ш              | $\sqcup$ | Ш               | $\square$ | L        |
|       | 37       | L          | <b>!</b>   | L            | <b>!</b> | ↓          | ┞  | _            | 1        | _          |        | L_       | 87       | Ш        | $\dashv$             | 4                  | 4   | 4                  | 1            | Ш               | Ш        |        | <u> </u>     | 137        |          |          | $\vdash$   | Ш             | Ш              | $\sqcup$ | Ш               | Щ         | L        |
|       | 38       | <u> </u>   | <b>!</b> _ | Ļ            | <b> </b> | ↓_         | ╙  | <b>L</b>     | 1_       | _          |        | L        | 88       | Н        | $\sqcup$             | _                  | +   | $\perp$            | 1            | $\square$       | L.,      |        | <u> </u>     | 138        | L.       | L.,      | $\sqcup$   | Ш             | Ш              | Ш        | Ш               |           | L        |
|       | 39       | <b> </b> - |            | -            | ⊢        | ┞-         | ⊢  | <b>!</b>     | 1        | <b> </b> - |        | <u> </u> | 89       | $\vdash$ | $\dashv$             | 4                  | +   | 4                  | ╄-           | $\vdash$        | L        |        | <u> </u>     | 139        | Ш        | Ш        | $\vdash$   | <u> </u>      | $\sqcup$       | ⊢        | Щ               | Щ         | L        |
| _     | 40       | $\vdash$   | ⊢          | <del> </del> | ┞-       | ╄          | ╄  | Ι_           | ₽-       | $\vdash$   |        | <u> </u> | 90       | Н        |                      | -+                 | +   | +                  | +-           | $\vdash$        | Н        |        | ├—           | 140        | <b> </b> | Ш        | ш  | Н             | Ш              | ⊣        | $\vdash \vdash$ |           | -        |
|       | 41       | $\vdash$   | ⊢          | -            | ╀        | ╀          | ╀  |              | 1        | $\vdash$   |        | <u> </u> | 91       | $\vdash$ | ┝╼┼                  | +                  | +   | +                  | +-           | ₩               | Н        |        | <del> </del> | 141        | -        | Н        | $\vdash$   | H             | Н              | H        | $\vdash$        |           | $\vdash$ |
|       | 42       | ⊢          | ⊢          | $\vdash$     | ⊢        | ╀          | ┼-   | ₩            | ╀        | ⊢          |        |          | 92       | $\vdash$ | Н                    | +                  | +   | +                  | +            | Н               | Н        |        | <b></b>      | 142        | H        | Н        | Н  | ⊢             | Н              | ⊢┤       | $\vdash$        | $\dashv$  | H        |
|       | 43       | -          | ╂          | ╀            | ⊢        | ╄          | ┼-   | ⊢            | ╀        | $\vdash$   |        | —        | 93       | $\vdash$ | ${oldsymbol{arphi}}$ | +                  | +   | +                  | +            | $\vdash$        | $\vdash$ |        |              | 143        | ⊢        | Н        | $\vdash$   | ⊢             | Н              | Н        | Н               | $\dashv$  | Ë        |
|       | 44       | ⊢          | ┼          | -            | ╀        | ╀          | ╀  | ├-           | ┢        | ⊢          |        | ├—       |          | 1-       | ${oldsymbol{arphi}}$ | +                  | +   | +-                 | +            | -               | Ь        |        | <del> </del> | 144        | Н        | Н        | $\vdash$   | H             | ┢╼┥            | ⊢        | Н               | $\vdash$  | ⊦        |
|       | 45       | ⊢          | ⊢          | ⊢            | ₩        | ╀          | ⊢  | ├-           | ╀        | ⊢          |        |          | 95       | H        | $\vdash$             | $\dashv$           | +   | ╬                  | ╫            | Н               | Н        |        | ├            | 145        | $\vdash$ | Н        | ┝┈┤  | $\vdash$      | H              | ┟╌┤      | Н               | $\vdash$  | H        |
|       | 46<br>47 | $\vdash$   | ╀          | ╀            | ⊢        | ⊢          | ⊢  | ├-           | +-       | $\vdash$   |        | <u> </u> | 96       | ⊢        | ⊢-∤                  | $\dashv$           | +   | +                  | ╁            | $\vdash$        | $\vdash$ |        | ├            | 146        | -        | $\vdash$ | ┝┷   | H             | Н              | Н        | Н               | $\dashv$  | ⊦        |
| _     |          | $\vdash$   | ╀╌         | ⊢            | -        | ╀          | ╀  | ⊢            | ┼-       | -          |        | <b>—</b> | 98       | Н        | $\vdash$             | +                  | +   | +                  | ╁            | $\vdash$        | $\vdash$ |        | ├            | 147        | -        | Н        | $\vdash$   | H             | Н              | H        | ┝╌┩             |           | $\vdash$ |
|       | 48<br>49 | $\vdash$   | ┢          | ├-           | ⊢        | ╀          | ┼-   | <del> </del> | $\vdash$ | $\vdash$   |        | ⊢—       | 99       |          | $\vdash \vdash$      | +                  | +   | +                  | ╫            | H               | $\vdash$ |        | ⊢            | 148        | -        | Н        | $\vdash$   | $\vdash$      | Н              | ⊢        | H               | $\vdash$  | ⊢        |
|       | 50       | ┝          | ⊢          | -            | -        | ╂          | ╀  | ⊢            | ⊢        | ⊢          |        | ├        | 100      | ⊢        | $\dashv$             | -+                 | ┿   | +                  | ┿            | $\vdash$        | ⊢        |        | ├            | 149        | -        | Н        | $\vdash$   | $\vdash$      | Н              | Н        | Н               | Н         | $\vdash$ |
|       | 1 20     | L_         | Ц.,        | ┖            |          | _          |  | _            | <u> </u> | Ц.         | J::::: |          | 100      | 1        |                      |                    | ᆚ   |                    | _1           |                 |          |        | L            | 150        |          | لـــا    |  |               | لـــا          | ш        | ш               |           | L        |